

A process and an apparatus for the separation of oil from chopped elastane fibers which contain preparations

Abstract

A process and an apparatus are described for separating at least 50 % by weight of oleaginous preparation media from elastane fibers which contain preparations, with respect to 100 % by weight of the initial content of preparation media in the elastane starting material, wherein a mixture of elastane fibers of different titres is used as chopped fiber, wherein fibers with a titre of 11 to 10,000 dtex or more are used as a starting material, which chopped elastane fibers are mixed with water in a mixing vessel in a bath ratio of water to chopped elastane fibers of at least 5/1, wherein mixing is effected using mixing devices (3) with a speed of rotation of at least 1500 rpm, treatment is carried out at room temperature or at an elevated temperature, particularly up to 90°C, a treatment duration of 10 to 60 minutes is maintained, and the aqueous bat which contains preparation media is subsequently separated from the fiber material.

(Figure 1)

10055552 012302